

Connecting to Vagrant Box

vagrant ssh | connects to box in your path

vagrant ssh config | displays ssh config

run from path, prior to login

vagrant rdp | *I have not tested this yet*

****if more than one machine in configured within the Vagrantfile, use machine name for SSH i.e. vagrant ssh web**

Vagrant Box Maintenance

see adjacent screen shots

vagrant box list | lists all available vagrant boxes on this endpoint

vagrant box add <name> or <url> | downloads box image to your end point

vagrant box remove <name> | deletes box from end point

vagrant box prune | status of all boxes; dropping invalid entries

vagrant status | displays status for box in current directory

vagrant box outdated | checks if box is up to date
above must run from a box path

vagrant global-status | displays status for all local boxes

vagrant package | packages a running environment in a reusable box

Vagrant Box Management

vagrant --version

vagrant suspend

vagrant resume | resumes the vagrant box

vagrant halt | stops the vagrant box

vagrant reload | restarts box w/ new configuration

vagrant destroy | destroys current endpoint not the base box

vagrant validate run from box path |

vagrant vbguest run from box path | installs VirtualBox Guest Editions

Vagrant Plugins

<https://vagrant-lists.github.io/>

vagrant plugin | manages all plugins

[expunge, install, license, list, repair, uninstall, update]

vagrant plugin install [plugin name]

vbguest, vbinfo, hostmanager, vagrant-winnfsd, vagrant-netinfo, vagrant-env, vagrant-git

Additional vagrant plugins to consider/research

vagrant-node, vagrant-web, vagrant-persistent-storage, vagrant-hostsupdater, vagrant-dns

Customize the Vagrantfile

Vagrant Network Management

vagrant@debian11:/ ip -c link show | displays network devices

vagrant@debian11:/ sudo cp /etc/network/interfaces ~/ | creates a copy of the network file

vagrant@debian11:/ sudo nano /etc/network/interfaces | opens the network file for editing i.e. creating a static IP

Notes / Alerts

By default ./ on your computer is shared as /vagrant on the vm

vagrant cannot run simultaneously with

ctrl d | exits the vagrant box

If a PC goes to sleep, vagrant boxes will be forcibly shutdown but no data should be lost

Vagrant Box List

```
msmith09@C05ML-C051684 /cydrive/c/hashicorp/vagrant/ansible$ vagrant box list
ansible/tower (virtualbox, 3.8.6)
bento/debian-11.5 (parallels, 202212.12.0)
debian/buster64 (virtualbox, 10.20220912.1)
generic/debian10 (virtualbox, 4.1.18)
```

Vagrant Box Status

```
msmith09@C05ML-C051684 /cydrive/c/hashicorp/vagrant/ansible$ vagrant status
Current machine states:
default: poweroff (virtualbox)
The VM is powered off. To restart the VM, simply run 'vagrant up'
```



Vagrant Global-Status

```
$ vagrant global-status
id      name      provider  state  directory
-----
165891a default  virtualbox running C:/hashicorp/vagrant/ubuntu-ansible
76ad6ff webserver virtualbox running C:/hashicorp/vagrant/ansible
5571a6a default  virtualbox poweroff C:/hashicorp/vagrant/debian
6f52b60 default  virtualbox poweroff C:/hashicorp/vagrant/bionic64
6fc372  default  virtualbox poweroff C:/hashicorp/vagrant/ansible
```

Vagrant Box Outdated [run from box path]

```
$ vagrant box outdated
Checking if box 'ansible/tower' version '3.8.6' is up to date...
```

Vagrant Box Add [i.e.] hashicorp/precise64

```
$ vagrant box add hashicorp/precise64
Adding box 'hashicorp/precise64' from HashiCorp's catalog...
Box 'hashicorp/precise64' added successfully.
```

Vagrant Quick Set-Up

Vagrant installs at c:\hashicorp\vagrant **c:\>cd hashicorp\vagrant**

Make a directory for each separate vm **c:\>mkdir precise64**

i.e. **c:\>cd hashicorp\vagrant\precise64**

c:\>hashicorp\vagrant\precise64 **c:\>hashicorp\vagrant\precise64**

c:\>hashicorp\vagrant\debian10 **vagrant init hashicorp/precise64**

c:\>hashicorp\vagrant\ansible initializes a new vagrant file

vagrant up [starts the box]

Vagrant Box Sites [working as of 01/2023]

Windows Boxes

<https://app.vagrantup.com/kganguly/boxes/MSEdge-Win10>

<https://gist.github.com/santrancisco/a7183470efa0e341222670d0bfb3da5>

<https://gist.github.com/hiasinho/3b76ff6a7b102d589caf>

<https://app.vagrantup.com/lonniev/boxes/vagrant-win7-ie10>

Linux Boxes

<https://app.vagrantup.com/boxes/search>

<https://www.vagrantbox.es/>

<https://app.vagrantup.com/boxes/search?provider=&q=Windows+XP&utf8=%E2%9C%93>



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